**Description of the project**

ONCORELIEF is a Horizon 2020 Project that will allow the utilization of big datasets in order to develop a user-centered AI System to facilitate the integration of QoL assessment instruments through the use of focus group, PROMs and PREMs in order to improve post-treatment health status, increase the wellbeing, and follow‐up care of colon cancer patients. This will be achieved through an intuitive smart digital assistant (Guardian Angel), able to provide personalized support in post-treatment activities and tasks, suggest actions regarding the patients' overall health-status, improved wellbeing and active health-care and ultimately maintain him/her engaged on a wellness journey that will safeguard his/her health over the foreseeable prolonged post-cancer treatment period.

**Research activities**

The researcher will carry out the following activities

**A.** **Theoretical framework:** In the first phase the researcher will identify grey literature and scientific articles on social determinants related to colon cancer. Deep knowledge of the main theories surrounding the sociology of health is required. Moreover, the researcher will also provide a systematic scientific literature review on digital health.

**B. Analysis of the main digital devices (apps) related to cancer:**In this phase the researcher will carry out a qualitative evaluation of mobile cancer apps with particular attention to the target group, content, and advertising. A special attention will be devoted to the identification of biases and downsides related to practical use of these apps.

**C. Fieldwork:**In this phase, focus groups and interviews will be conducted with patients’ organizations (e.g. Istituto Oncologico Romagnolo) to obtain relevant information on quality of life of cancer survivors. The feedback will contribute to provide reliable indicators to measure the bio-psycho-social factors that influence the quality of life of cancer patients after treatment (also in a gender perspective).

**D. Data analysis:** The fourth phase involves the analysis of qualitative data collected during the previous phase. The data will be subsequently analyzed with the support of a content analysis software.

Fluency in written and oral English is required as the project is carried out in conjunction with several foreign institutes. A strong grasp on Sociology of health theories is required. The candidate will be able to actively participate in international meetings and should be comfortable with public speaking in international context.